

Exhibit 8



PubMed

Nucleotide

Protein

Genome

Structure

PopSet

Taxonomy

OMIM

Boo

Search  for

☐ 1: NM\_001400. Homo sapiens endo...  
[gi:13027635]

Related Sequences, OMIM, Protein, PubMed, Taxonomy,  
UniSTS, LinkOut

LOCUS NM\_001400 2753 bp mRNA linear PRI 16-FEB-2001  
DEFINITION Homo sapiens endothelial differentiation, sphingolipid  
G-protein-coupled receptor, 1 (EDG1), mRNA.  
ACCESSION NM\_001400  
VERSION NM\_001400.2 GI:13027635  
KEYWORDS  
SOURCE human.  
ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
REFERENCE 1 (bases 1 to 2753)  
AUTHORS Hla, T. and Maciag, T.  
TITLE An abundant transcript induced in differentiating human endothelial  
cells encodes a polypeptide with structural similarities to  
G-protein-coupled receptors  
J Biol. Chem. 265 (16), 9308-9313 (1990)  
JOURNAL MEDLINE 90264425  
REFERENCE 2 (bases 1 to 2753)  
AUTHORS An, S., Bleu, T., Huang, W., Hallmark, O.G., Coughlin, S.R. and  
Goetzl, E.J.  
TITLE Identification of cDNAs encoding two G protein-coupled receptors  
for lysosphingolipids  
FEBS Lett. 417 (3), 279-282 (1997)  
JOURNAL MEDLINE 98072391  
REFERENCE 3 (bases 1 to 2753)  
AUTHORS Lee, M.J., Van Brocklyn, J.R., Thangada, S., Liu, C.H., Hand, A.R.,  
Manzeleev, R., Spiegel, S. and Hla, T.  
TITLE Sphingosine-1-phosphate as a ligand for the G protein-coupled  
receptor EDG-1  
Science 279 (5356), 1552-1555 (1998)  
JOURNAL MEDLINE 98155258  
COMMENT REVIEWED REFSEQ: This record has been curated by NCBI staff. The  
reference sequence was derived from AF233365.1, M31210.1.  
On Feb 21, 2001 this sequence version replaced gi:4503454.  
Summary: The protein encoded by this gene is structurally similar  
to G protein-coupled receptors and is highly expressed in  
endothelial cells. It binds the ligand sphingosine-1-phosphate  
with high affinity and high specificity, and suggested to be  
involved in the processes that regulate the differentiation of  
endothelial cells. Activation of this receptor induces cell-cell  
adhesion.  
COMPLETENESS: complete on the 3' end.  
FEATURES Location/Qualifiers  
source 1..2753  
/organism="Homo sapiens"

[http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=nucleotide&list\\_uids=1...](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=nucleotide&list_uids=1...) 4/28/2002

## NCBI Sequence Viewer

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## NCBI Sequence Viewer

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RP  
antisense

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Revised: October 24, 2001.

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